CHEMICAL PROPERTIES OF THE SOILS Table iii-J-3(A) Monroe County, West Virginia

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Map symbol and soil name	Depth	Clay	Cation- exchange capacity	Effective cation- exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	рН	Pct	Pct	mmhos/cm	
36E: Macove	0-4 4-37 37-64	10-25 10-30 10-30		4.0-10 7.0-12 8.0-14	4.5-6.0 4.5-6.0 4.5-6.0		 	 	
Other soils									
41E: Blackthorn	0-6 6-43 43-64	2-10 7-18 27-60			4.5-6.0 4.5-6.0 4.5-5.5		 	 	
Other soils									
55E: Calvin	0-4 4-28 28-39 39-41	10-25 15-30 15-30	 	12-22 5.0-15 5.0-15	4.5-6.0 4.5-6.0 4.5-6.0	 	 	 	
Dekalb	0-4 4-23 23-33 33-35	10-20 7-18 5-15 		10-18 5.0-10 5.0-10	3.6-6.5 3.6-5.5 3.6-5.5	 	 	 	
Berks	0-3 3-23 23-30 30-31	5-23 5-32 5-20 	 	5.0-15 5.0-10 5.0-10	3.6-6.5 3.6-6.5 3.6-6.5	 	 	 	
Other soils									
55F: Calvin	0-4 4-28 28-39 39-41	10-25 15-30 15-30	 	12-22 5.0-15 5.0-15	4.5-6.0 4.5-6.0 4.5-6.0	 	 	 	
Dekalb	0-4 4-23 23-33 33-35	10-20 7-18 5-15		10-18 5.0-10 5.0-10	3.6-6.5 3.6-5.5 3.6-5.5	 	 	 	
Berks	0-3 3-23 23-30	5-23 5-32 5-20	 	5.0-15 5.0-10 5.0-10	3.6-6.5 3.6-6.5 3.6-6.5	 	 	 	
Other soils									
56F: Berks	0-3 3-23 23-30 30-31	5-23 5-32 5-20 	 	5.0-15 5.0-10 5.0-10	3.6-6.5 3.6-6.5 3.6-6.5	 	 	 	
Other soils									

CHEMICAL PROPERTIES OF THE SOILS--Continued Table iii-J-3(A) Monroe County, West Virginia

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Map symbol and soil name	Depth	Clay	Cation- exchange capacity	Effective cation- exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	рН	Pct	Pct	mmhos/cm	
57E: Berks	0-3 3-23 23-30 30-31	5-23 5-32 5-20	 	5.0-15 5.0-10 5.0-10	3.6-6.5 3.6-6.5 3.6-6.5	 	 	 	
Dekalb	0-4 4-23 23-33	10-20 7-18 5-15		10-18 5.0-10 5.0-10	3.6-6.5 3.6-5.5 3.6-5.5		 	 	
Other soils									
57F: Berks	0-3 3-23 23-30 30-31	5-23 5-32 5-20 	 	5.0-15 5.0-10 5.0-10	3.6-6.5 3.6-6.5 3.6-6.5	 	 	 	
Dekalb	0-4 4-23 23-33 33-35	10-20 7-18 5-15 		10-18 5.0-10 5.0-10	3.6-6.5 3.6-5.5 3.6-5.5	 	 	 	
Other soils									
58F: Weikert	0-6 6-16 16-17	15-27 15-27 		6.0-20 6.0-15 	4.5-6.0		 	 	
Other soils									
62C: Frederick	0-8 8-29 29-79	13-27 40-80 40-70	 		4.5-6.0 4.5-6.0 4.5-6.0	 	 	 	
Caneyville	0-3 3-10 10-24 24-25	27-40 36-60 40-60	15-20 15-25 18-30		5.1-7.3 5.1-7.3 5.6-7.8	0 0 0 	0 0 0 	0 0 0	0 0 0
Other soils									
62E: Other soils									
Frederick	0-8 8-29 29-79	13-27 40-80 40-70	 		4.5-6.0 4.5-6.0 4.5-6.0	 	 		
Caneyville	0-3 3-10 10-24 24-25	10-27 36-60 40-60			4.5-7.3 4.5-7.3 5.6-7.8	 	 	 	

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

Section II-iii-J

CHEMICAL PROPERTIES OF THE SOILS--Continued Table iii-J-3(A) $\qquad \text{Monroe County, West Virginia}$

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										ı
Map symbol	Depth	Clav	Cation-	Effective	Soil	Calcium	Gypsum	Salinity	Sodium	İ

and soil name			exchange capacity	cation- exchange capacity	reaction	carbonate			adsorption ratio
	In	Pct	meq/100g	meq/100g	рН	Pct	Pct	mmhos/cm	
62F:									
Caneyville	0-3	30-40			4.5-7.3				
	3-10 10-24	36-60 40-60			4.5-7.3 5.6-7.8				
	24-25				3.0-7.8				
Frederick	0-8	13-27			4.5-6.0				
	8-29	35-75			4.5-6.0				
	29-79	40-80			4.5-6.0				
Rock outcrop									
Other soils									
64C:									
Lily	0-8 8-25	7-27 18-35			3.6-5.5				
	25-33	20-35			3.6-5.5				
	33-34								
Other soils									
			1	1	1				1
64E:									
Lily	8-0	7-27			3.6-5.5				
	8-25 25-33	18-35 20-35			3.6-5.5				
	33-34				3.6-5.5				
Other soils									
67E: Culleoka	0-9	15-27			5.1-6.0				
	9-29	18-35			5.1-6.0	i i			
	29-35 35-36	18-45			5.1-6.5				
						İ			
Other soils									
69B: Frederick	0-8	13-27			4.5-6.0				
Frederick	8-29	40-80			4.5-6.0				
	29-79	40-70			4.5-6.0				
Other soils									
69C:									
Frederick		13-27			4.5-6.0				
	8-29 29-79	40-80			4.5-6.0				
Other salls									
Other soils									
78B: Frankstown	0-4	18-27			5.1-6.0				
r.ranverown	4-35	25-35			4.5-6.0				
	35-44	25-45			4.5-6.0				
	44-46								
Other soils									

CHEMICAL PROPERTIES OF THE SOILS--Continued Table iii-J-3(A) Monroe County, West Virginia

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Map symbol and soil name	Depth	Clay	Cation- exchange capacity	Effective cation- exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	рН	Pct	Pct	mmhos/cm	
78C: Frankstown	0-4 4-35	18-27 25-35			5.1-6.0 4.5-6.0			 	
	35-44 44-46	25-45			4.5-6.0				
Other soils									
W: Water									